# Attachment 1

# Statement of Work
# (SOW)

# STATEMENT OF WORK
# FOR
# Procurement of RF Coaxial Switches

## 1.0 BACKGROUND

Radar Product Division, AML-2030, is procuring new RF coaxial switches for operating stock. The parts will be used for logistics support for 135 ASR-9 (Airport Surveillance Radar 9) Field Sites.

This Requirements Document describes the acquisition of RF coaxial switches, NSN 5930-01-310-1707.

## 1.1 CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE (COTR):

The Contractor Officer's Technical Representative (COTR) is formally designated this responsibility by the Contracting Officer to provide technical direction and Government oversight to the contractor on matters related to this contract.

## 2.0 SCOPE OF WORK

The vendor shall supply parts to the Federal Aviation Administration as outlined in the section below.

## 3.0 REQUIREMENTS

The vendor shall provide the RF coaxial switches in new condition. The switches must meet the specifications outlined in Westinghouse drawing 645A630. Below are the applicable part numbers for NSN 5930-01-310-1707.

| Part Number | Description |
|---|---|
| 645A630H01 | This is the source control part number originally used by the Westinghouse radar division, now owned by Northrop Grumman. |
| S-4111 | This part number belongs to RLC Electronics. It is listed as an approved manufacturer's part number under drawing 645A630. They have been the source for these switches for at least the past ten years. |
| MS-3006 | This part number belongs to K & L Microwave. It is listed as an approved manufacturer's part number under drawing 645A630. It is recommended that a first article be required since K & L Microwave has not manufactured these units for the FAA in the past ten years. |

Other manufacturers are listed in drawing 645A630, but part numbers are not known. They have not been known to provide RF coaxial switches to the FAA in the past.

# Attachment 2

# Drawings / Specifications

# No. 645A630

REVISIONS

| LTR | DESCRIPTION | DATE | APPROVAL |
|---|---|---|---|
| J | See Rev PGE3C<br>SH 1, 5<br>SH 12 Added | 92-10-09 | C.D.H.<br>P Cato |

SEE SHEET 12 FOR REVISION HISTORY

Unless otherwise specified dimensions are in inches
DO NOT SCALE

Tolerances

| Decimals | | Angles |
|---|---|---|
| 2 places ± .02 | 3 places ± .005 | ± |

SELECTED ITEM DRAWING

DRAWING TO BE CHANGED ONLY

BY APPROVAL OF PARTS ENGINEERING

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LATEST REVLTR | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SH NO | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | |
| LATEST REVLTR | J | B | G | G | J | G | G | G | H | B | B | J | | | | | | | | | | | | | | |
| SH NO | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | |

SHEET REVISION STATUS

CONTRACT NO. DTFA01-83-C-20027

ORIGINAL DATE APPD 84/5/17

WESTINGHOUSE ELECTRIC CORPORATION
DEFENSE & ELECTRONIC SYSTEMS CENTER
Baltimore, MD., U.S.A. 21203

FED. SUP. CLASS : 5930

| DRAWN BY | AUTH |
|---|---|
| C.Jones | J-40373 |
| CHKD | PARTS ENGR<br>D. D. Dunlap |
| APPD<br>J.H.Blink | APPD<br>P.Hightower |

DESIGN ACTIVITY APPROVAL

PROCURING ACTIVITY APPROVAL

# SWITCH (COAXIAL) R.F. TRANSMISSION LINE SPDT

| SIZE | CAGE CODE | DWG. NO. |
|---|---|---|
| A | 97942 | 645A630 |

| SCALE | NONE | WEIGHT | SHEET 1 OF 12 |
|---|---|---|---|

| WESTINGHOUSE PART NUMBER | MANUFACTURER'S PART NUMBER | | | | |
|---|---|---|---|---|---|
| | RLC ELECTRONICS | DOW-KEY | AMPHENOL | MICROWAVE ASSOCIATES | K & L |
| 645A630H01 | S-4111 | TO BE ASGN | TO BE ASGN | TO BE ASGN | MS-3006 |

| APPROVED MANUFACTURERS | |
|---|---|
| NAME | CAGE CODE (H4/H8) |
| RLC ELECTRONICS | 12598 |
| DOW-KEY | 00471 |
| AMPHENOL | 74868 |
| MICROWAVE ASSOCIATES | 96341 |
| K & L MICROWAVE | 50140 |

| SIZE A | CAGE CODE 97942 | DWG NO. 645A630 |
|---|---|---|
| SCALE: NONE | .REV. β | SHEET 2 |

1. SCOPE

This drawing delineates the requirements for a miniature spdt coaxial switch. Requirements which are specified herein but which are not specified or controlled in the manufacturer's published specifications are indicated by an asterisk(*).

2. APPLICABLE DOCUMENTS

The following documents of the issue in effect on the date of request for quote, form a part of this drawing to the extent specified herein. Documents listed without revision status shall be those in effect on the latest revision date of this document. (see 3.1)

Government and nationally recognized publications

| | |
|---|---|
| QQ-P-35 | PASSIVATION |
| QQ-A-200 | ALUMINUM |
| QQ-S-571 | SOLDER, LEAD TIN ALLOY |
| DOD-D-1000 | ENGINEERING DRAWINGS |
| MIL-S-3928 | COAXIAL SWITCHES |
| MIL-F-14072 | FINISHES FOR GROUND ELECTRONIC EQUIPMENT |
| MIL-C-24308 | CONNECTORS |
| MIL-C-39012 | CONNECTORS |
| MIL-STD-202 | TEST METHODS |
| MIL-STD-454 | STANDARDS FOR ELECTRICAL EQUIPMENT |
| H4/H8 | COMMERCIAL AND GOVERNMENT ENTITY (CAGE) CATALOGING HANDBOOK |

3. REQUIREMENTS.

3.1 Drawing precedence. This drawing takes precedence over documents referred to herein and shall be interpreted in accordance with DOD-D-1000. A later revision of any document listed in section 2 without a specific revision letter may be used if requirements of the later revision are not degraded below those specified in the earlier revision.

* 3.2 Electrical.

3.2.1 Isolation. The isolation between connected ports and the open port shall be 80 dB (minimum) over a frequency range of DC to 4.0 GHz.

3.2.2 Switching time. The switching time shall not exceed 20 milliseconds.

3.2.3 Nominal Impedance. The part shall have a nominal impedance of 50 ohms.

3.2.4 Power Handling Capability. The part shall handle without adverse effects 25 watts average.

3.2.5 Insertion loss. The part shall have a maximum insertion loss of 0.2 dB over a frequency range of 2.5 GHz to 3.1 GHz.

3.2.6 Voltage Standing Wave Ratio. The part shall have a maximum voltage standing wave ratio of 1.2:1 over a frequency range of 2.5 GHz to 3.1 GHz.

3.2.7 Operating Conditions. The part (at 25C) shall operate at 15 VDC/350 mA maximum.

3.2.8 Life. The part shall operate without adverse effects for a minimum duration of 1,000,000 cycles.

3.2.9 Operating Mode. The part is designed for failsafe operation.

3.2.10 Switching Sequence. The switching sequence for the part shall be break before make.

3.2.11 Operating Curves. The part shall operate in accordance with the curves (VSWR vs. Frequency, Insertion Loss vs. Frequency, Isolation Loss vs. Frequency) illustrated in figure 3 of this drawing from DC to 4 GHz.

3.2.12 Solid State Control. The switch shall be compatible with the EIA RS-422 differential balanced interface. The switch shall be equipped with a balanced TTL line receiver compatible with a balanced line driver similar to the AM-26LS31. An integral terminating resistor of 150 W must be included in the switch. See Figure 2A.

3.2.13 Power/Logic Connector. A nine pin miniature male D connector shall be used for power supply and logic inputs. Pin out shall be as follows:

| Pin No. | Function |
|---|---|
| 1 | +15 Vdc Power |
| 6 | Ground |
| 7 | Positive (+) logic input |
| 8 | Negative (-) logic input |

3.2.14 Switch Control. Logic control of switching shall be as follows:

| PIN 7 | PIN 8 | RF CONN. |
|---|---|---|
| L | H | J1-J2 |
| H | L | J3-J2 |

3.2.15 Pick-up Voltage. The maximum pick-up voltage shall be 10 volts dc.

3.2.16 Drop-out Voltage. The maximum drop-out voltage shall be 5 volts dc.

3.3 Mechanical.

3.3.1 RF Connectors. Female SMA Coaxial Connectors shall meet the mating requirements of MIL-C-39012 without damage.

3.3.2 Multipin Connectors. The multipin power/logic connector shall be in accordance with M24308/3-1. Lock posts for the connector shall be included. This connector is a miniature "D", 9 pin male connector. The lockposts shall be capable of withstanding a ten inch-pound torque without rotating or loosening.

3.3.3 Soldering.

a. Internal solder connections shall incorporate the use of high temperature solder in accordance with QQ-S-571, $S_B5$.

b. Soldering practices shall be in accordance with MIL-STD-454, requirement 5.

3.3.4 Configuration. The part shall meet the dimensional requirements as illustrated in figure 1 of this drawing.

3.3.5 Schematics. The internal circuitry of this part shall be as described in the schematic diagram of figure 2.

3.4 Material.

* 3.4.1 Body. The body shall be aluminum in accordance with QQ-A-200.

3.4.2 SMA Connector. The SMA connector shall be constructed of corrosion resisting steel.

3.5 Finish.

3.5.1 Cover and Body. The finish of the cover shall be in accordance with MIL-F-14072.

3.5.2 SMA Connector. The SMA connector shall be passivated in accordance with QQ-P-35.

3.6 Environmental.

3.6.1 Operating Temperature. The part shall meet the requirements of 3.2 while in an ambient temperature range of -10C to +70C.

3.6.2 Storage Temperature. After being exposed to the temperature range of -55C to +125C, the part shall meet the requirements of 3.2.

3.6.3 Altitude. The part shall be in accordance with 3.2 while operating under conditions specified in paragraph 4.2.1 of this drawing.

3.6.4 Humidity. The part shall be in accordance with 3.2 while operating under conditions specified in paragraph 4.2.2 of this drawing.

3.6.5 Vibration. When tested in accordance with paragraph 4.2.4, the parts shall meet the requirements of this drawing.

* 3.7 Identification and marking. The parts shall be marked with the following information:

3.7.1 Part Identification.

a. Westinghouse H4/H8 CAGE Code followed by a dash (-) and the Westinghouse part number.
Example: 97942-645A630H01.

b. The actual manufacturer's name, registered trademark or H4/H8 CAGE Code.

c. Date code. On parts which are returned by the manufacturer after rework or reinspection, the manufacturer shall mark a new date code prefixed by the letter "R" without removal of any prior marking.

d. Serial number.

3.7.2 Additional marking. The RF ports shall be identified as shown on the outline drawing.

3.8 Marking Permanence. All marking shall be clear and legible before, during and after unit is subjected to test as specified in paragraph 4.2.3.

* 4. QUALITY ASSURANCE PROVISIONS

4.1 Responsibility for inspection.

4.1.1 Manufacturer. The manufacturer is responsible for controlling the quality of his product and offering to Westinghouse only those items that conform to all the requirements specified herein.

4.1.2 Westinghouse. Westinghouse reserves the right to perform any test it deems necessary to assure that parts conform to all the specified requirements.

4.2 Test Methods.

4.2.1 Altitude. The part shall be tested in accordance with the requirements of MIL-S-3928 for altitude testing.

4.2.2 Humidity. The part shall be tested in accordance with the requirements of MIL-S-3928 for humidity testing.

4.2.3 Marking permanence. Parts shall be tested in accordance with MIL-STD-202, Method 215.

4.2.4 Vibration. Testing shall be in accordance with MIL-S-3928, Method I.

4.3 Quality Conformance Inspection. Quality Conformance inspection shall be performed in accordance with MIL-S-3928.

5. PREPARATION FOR DELIVERY

5.1 Preservation, packaging and packing. Preservation, packaging and packing shall be in accordance with MIL-P-23971, level C.

5.2 Identification and marking

5.2.1 Unit package. The unit package shall be marked with the following information:

a. Westinghouse H4/H8 CAGE Code (97942) followed by a dash and the Westinghouse part number. Example: 97942-645A630H01

b. The actual manufacturer's name, registered trademark or H4/H8 CAGE Code.

5.2.2 Shipping container. The shipping container shall be marked with the following information:

a. Westinghouse part number

b. Manufacturer's name or registered trademark.

c. Purchase order number.

d. Month and year of preservation and packing.

6 NOTES (WESTINGHOUSE INTERNAL)

6.1 Approved sources. Identification of approved source(s) herein is not to be construed as a guarantee of present or continued availability as a source of supply for the item(s) described on this drawing.

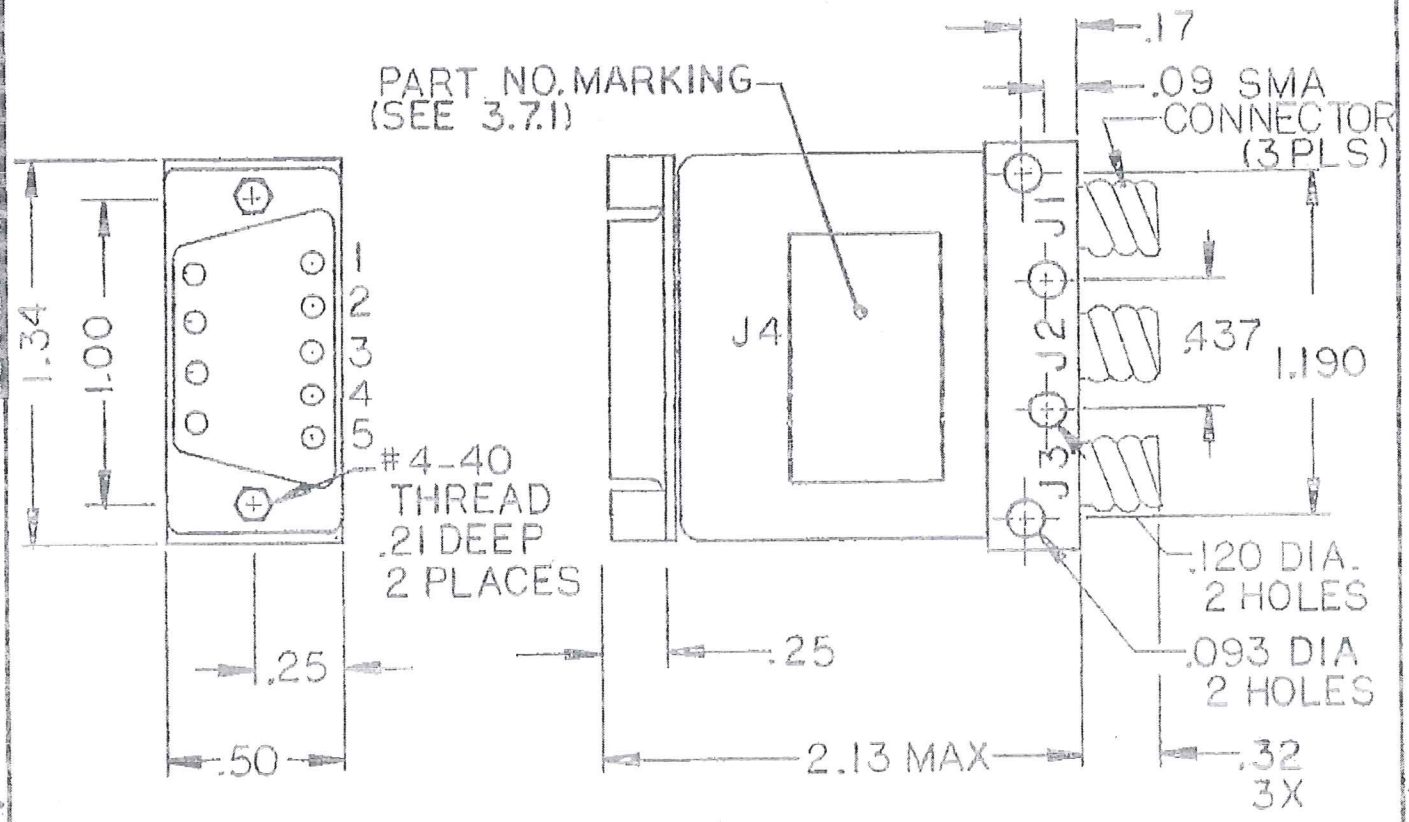



FIGURE 1 - OUTLINE DRAWING

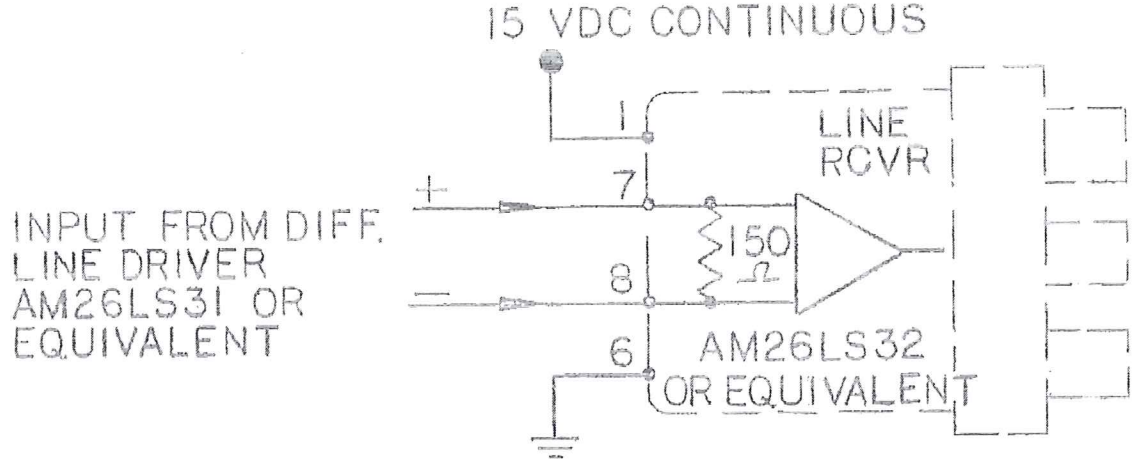



FIGURE 2A

| SIZE | CODE IDENT NO. | DWG NO. |
|---|---|---|
| A | 97942 | 645A630 |
| SCALE NONE | REV H | SHEET 9 |

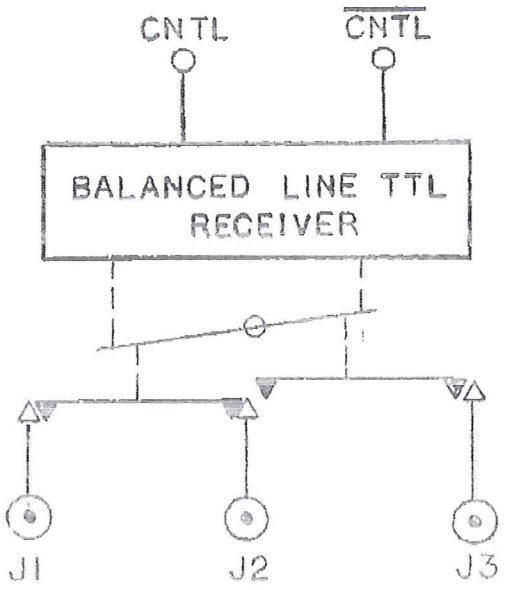
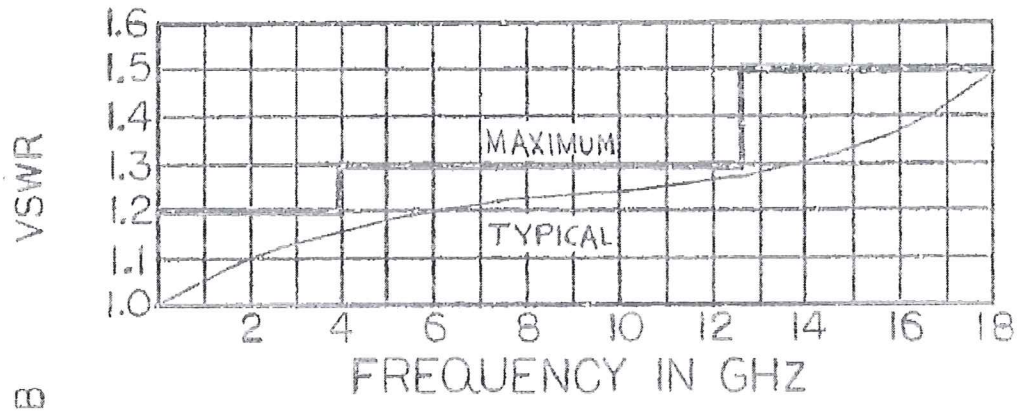


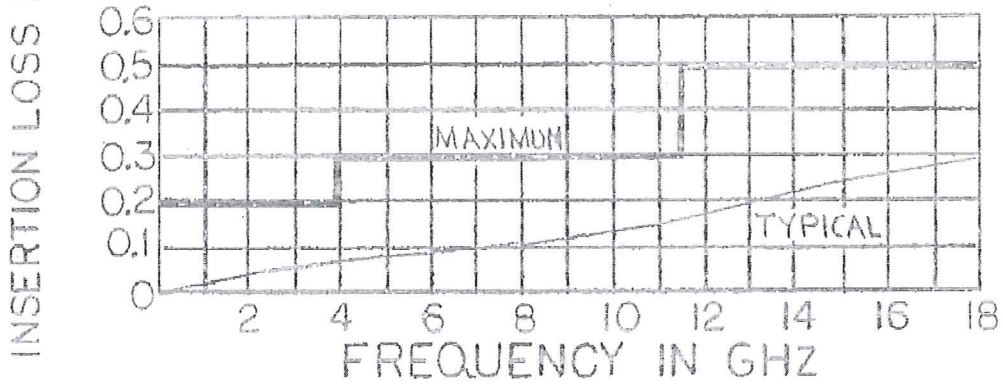

FIGURE 2B-SCHEMATIC

| SIZE | FSCM NO. | DWG NO. |
|---|---|---|
| A | 97942 | 645A630 |
| SCALE NONE | REV B | SHEET 10 |

## VSWR VS. FREQUENCY




## INSERTION LOSS VS. FREQUENCY




## ISOLATION VS. FREQUENCY

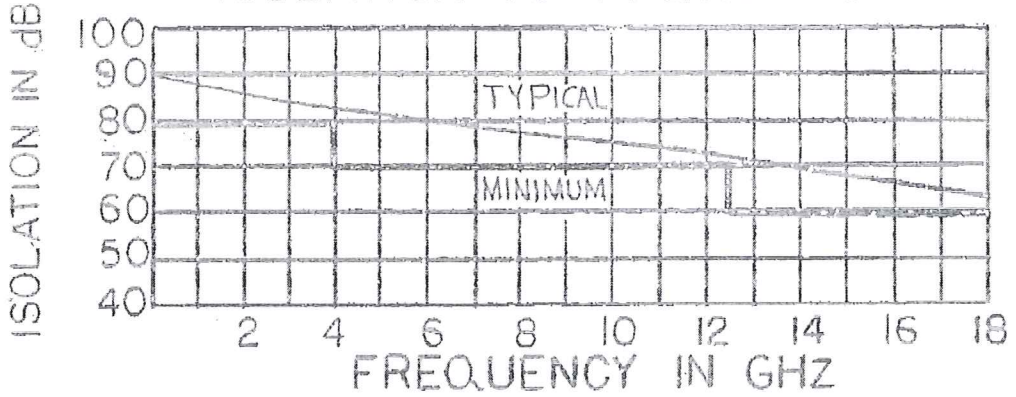



FIGURE 3 -TYPICAL OPERATING CURVES

| SIZE | FSCM NO. | DWG NO. |
|---|---|---|
| A | 97942 | 645A630 |
| SCALE NONE | REV B | SHEET 11 |

| REVISIONS | | | |
|---|---|---|---|
| LTR | DESCRIPTION | DATE | APPROVAL |
| H | See Rev P8G6C<br>Replaces Rev G with change<br>SH 1, 9 | 91-02-12 | CDH<br><br>S. Carter |

| SIZE | CAGE CODE | DWG NO. |
|---|---|---|
| A | 97942 | 645A630 |
| SCALE: NONE | REV. J | SHEET 12 |

# Attachment 3

# AC Form 4770-14

# Preservation, Packaging, Packing, and Marking Requirements

# Preservation, Packaging, Packing, and Marking Requirements

The requirements set forth in this form supersede any conditions inconsistent herewith. All specifications, standards, and

documents necessary to accomplish requirements herein will be of the issue in effect on the invitation for bids.
Preservation and packaging shall be accomplished and coded IAW MIL-STD-2073-1
(DOD material procedures for development and application of packaging requirements). The following
items shall be preserved and packaged IAW coded requirements and related data shown below per MIL-STD-2073-1.

NSN: 5930013101707

| PRES METH | QUP | CLEAN & DRY | PRES MATER | WRAP MATER | CUSH & DUN | CUSH THICK | UNIT CONT | INT QTY | INT CONT | PROT LEVEL | OPT IND |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 30 | 1 | 1 | | JV | AD | X | E6 | | | B | |

**Method of Preservation:** WATERPROOF OR WATERPROOF-GREASEPROOF PROTECTION WITH PRESERVATIVE AS REQUIRED (SEE MIL-STD-2073-1E, SEE MIL-STD-2073-1E, PAGE 15, PARAGRAPH 5.2.3.5)

**Quantity Unit Pack:** ONE
**Clean & Dry Method:** ANY SUITABLE PROCESS THAT IS NOT INJURIOUS TO THE ITEM

**Preservation Material:**

**Wrapping Material:** MIL-PRF-22191 TYPE III TRANSPARENT WATERPROOF BARRIER - MATERIAL.
**Cushion & Dunnage:** CUSHION, ANCHOR, BLOCK OR BRACE AS REQUIRED.

**Cushioning Thickness:** AS REQUIRED TO PROTECT THE ITEM OR ELEMENTS OF THE PACKAGE.
**Unit Container:** VENDOR FIBERBOARD BOX.

**Intermediate Quantity:** NO REQUIREMENT IS SPECIFIED
**Intermediate Container:** NO REQUIREMENT IS SPECIFIED

**Level of Protection:** PROTECTION TO MEET MODERATE WORLDWIDE USE IN MIL-STD-2073 PGS

**Special Packing Instructions:**

**Packing:** Unless otherwise indicated in the codes and other data reference above, packing and shiping containers will comply with MIL-STD-2073-1 and/or specifications or instructions listed below.

**Level of Packing:**

**Marking:** All containers shall be marked IAW the requirements of MIL-STD-129 (Marking for Shipment and Storage)

Basic Markings:
(1)National Stock Number (2)Cage Code & Part Number (3)Description (4)Quantity & Unit of Issue
(5)PO# and/or Contract# (6)Level of Protection/Date

Special Markings: DELICATE INSTRUMENT

Specifications type reference materials may be substituted with materials comparable to, or better than those specified at no increase in cost to the government.
AC Form 4170-14 File Reference: 11-007 Approved By: _____ 7/26/2011

# Attachment 4

# First Article Test (FAT) Requirements

FIRST ARTICLE TEST (FAT) REQUIREMENTS

NSN 5930-01-310-1707

We, the undersigned, have determined that the use of first article testing is required. This decision was made only after considering the impact on cost, time of delivery, risk to the Government for foregoing such test, and the availability of other, less costly methods of ensuring the desired quality.

Signature Item Manager: _____ Signature Engineer: _____

| 1.a ENGINEER: (Print Name) | ROUTING SYMBOL | DATE | PHONE NUMBER |
|---|---|---|---|
| Anthony Nguyen | AML-2030 | 10/21/11 | 405-954-2652 |
| 1.b ITEM MANAGER: (Print Name) | ROUTING SYMBOL | DATE | PHONE NUMBER |
| Sheri Crytzer | AML-2060 | 10/21/11 | 405-954-5697 |

| 2. P/R NUMBER: | 3. PART NUMBER(S) | 4. NSN |
|---|---|---|
| | 645A630H01 | 5930-01-310-1707 |

| 5. Number of First Articles to be subject testing. (fill in quantity) | 6. OF LINE ITEM NUMBER | 7. AND WILL BE |
|---|---|---|
| 2 each. | | ☐ Part of Production Quantity (will not be destroyed in testing)<br>☒ In addition to Production Quantity (will be destroyed in testing) |

8. FIRST ARTICLE TESTING ☒ WILL BE GOVERNMENT TESTING or ☐ WILL BE CONTRACTOR TESTING. (if Government testing, complete this page, if Contractor, complete second page of this form.)

BLOCK 9. FIRST ARTICLE GOVERNMENT TESTING

| 9a. GOVERNMENT TESTING of FIRST ARTICLE | 9b. FIRST ARTICLE | 9c. WAIVER of FAT Requirement |
|---|---|---|
| ☒ Will be destroyed in test<br>☐ Will not be destroyed | ☐ Will serve as the manufacturing standard<br>☒ Will not serve as the manufacturing standard | ☐ NO—FAT will not be waived<br>☒ YES—FAT can be waived if contractor has provided in the past. Engineer must approve. |

9d. FIRST ARTICLE GOVERNMENT TESTING. The First Article must meet or exceed the following performance or other characteristics in order to be approved.

1. Testing IAW Specification RF coaxial switch must meet specifications listed in Westinghouse drawing 645A630.

Form, Fit and Function in accordance with _____

9e. FIRST ARTICLE DELIVERY

1. First Article is due 90 Calendar days from date of contract.
2. Contractor shall notify Contracting Officer (CO) 15 days before shipment.
3. Government has 30 Days after receipt of First Article for test and review to issue written notice of approval/disapproval of First Article. (usually 30 to 45 days)
4. Estimated cost of Government testing is $1000

9f. SHIPPING INSTRUCTIONS

Shipping instructions to Contractor

SHIP TO: (first article)
FAA LOGISTICS CENTER
TSF BLDG 215 - AML2000
7100 S. MacArthur Blvd.
Oklahoma City, OK 73125
Mark For: Shelby Nguyen

Production Units will go into operating stock.

MARK FOR: FIRST ARTICLE/BID SAMPLE
Contract No.: _____
Delivery Order #: _____

ATTENTION: AMQ- _____ Ext. _____
Name: _____

10. SPECIAL REQUIREMENT

☐ Required ☒ Not Required

"The first article offered must be manufactured at the facilities in which that item is to be procured under the contract, or if the first article is a component not manufactured by the contractor, such component must be manufactured at the facilities in which the component is to be produced for the contract. A certification to this effect must accompany each first article offered.

11. DISPOSITION OF TEST SAMPLES

- ☐ Each approved first article will be retained by the FAA and will be accepted as part of the contract production quantity.
- ☒ Each first article will undergo destructive testing; residual components ☐ will ☒ will not be returned to the contractor.
- ☐ Approved first article shall be returned to contractor and used as the production standard, first article shall be delivered as last production unit.
- ☐ Other:

FIRST ARTICLE TEST REQUIREMENTS CONTRACTOR TESTING

BLOCK 9. FIRST ARTICLE CONTRACTOR TESTING **(NOT APPLICABLE)**

9a. Performance or other characteristics which First Articles must meet are:
(provide list of test, procedures, data results required for approval) _____

_____

_____

_____

_____

| 9b. IF GOVERNMENT TESTING FIRST ARTICLE | 9c. FIRST ARTICLE | 9d. WAIVER of FAT Requirement |
|---|---|---|
| ☐ Will be destroyed in test<br>☐ Will not be destroyed | ☐ Will serve as the manufacturing standard<br>☐ Will not serve as the manufacturing standard | ☐ NO–FAT will not be waived<br>☐ YES–FAT can be waived if contractor has provided in the past. Engineer must approve. |

| 9e. CONTRACTOR TEST PLAN REQUIRED | 9e. 1 PLAN FORMAT | 9e. 2 PLAN 1ST DRAFT DUE For Engineering review and comments. |
|---|---|---|
| ☐ Yes - See Block 9b.1 and complete<br>☐ No - go to Block 9f | ☐ Government<br>☐ Contractor | ____ Days after award, with ____ Days for Government Review, Contractor has _____ Days after receipt of Government comments to submit final draft for approval or disapproval |

| 9e. FIRST ARTICLE TESTING | 9f. FIRST ARTICLE TEST REPORT |
|---|---|
| 1. First Article testing shall start _____ Calendar days after award of the contract.<br>2. Contractor shall notify Contracting Officer (CO) 15 days before contractor to start testing.<br>3. First Article test report due 10 days after completion of First Article testing.<br>4. Government has _____ days after receipt of First Article test report for review and issue written notice of approval/disapproval of First Article. (usually 10 to 15 days) | Mailing instructions to Contractor<br>Mail to: FAA, Contract Management Branch<br>6500 S. MacArthur Blvd.<br>P.O. Box 25082<br>Oklahoma City, OK 73125-4929 |

10. SPECIAL REQUIREMENT

☐ Required ☐ Not Required

"The first article offered must be manufactured at the facilities in which that item is to be procured under the contract, or if the first article is a component not manufactured by the contractor, such component must be manufactured at the facilities in which the component is to be produced for the contract. A certification to this effect must accompany each first article offered.

11. DISPOSITION OF TEST SAMPLES

☐ Each approved first article will be retained by the contractor and will be accepted as production standard delivered as last production unit(s).

☐ Each first article will undergo destructive testing. Contractor shall keep residual until completion of the contract for reference if required.

☐ Approved first article shall be returned to contractor but will not be the production standard, it will be delivered as the last production unit.

☐ Other: _____

_____

# Attachment 5

# Business Declaration

# BUSINESS DECLARATION

1 Name of Firm: _____ Tax Identification No.: _____

2 Address of Firm: _____ DUNS No.: _____

3 a. Telephone Number of Firm: _____ b. Fax Number of Firm: _____

4 a. Name of Person Making Declaration _____

b. Telephone Number of Person Making Declaration _____

c. Position Held in the Company _____

5 Controlling Interest in Company *("X" all appropriate boxes)*

☐ a. Black American ☐ b. Hispanic American ☐ c. Native American ☐ d. Asian American

☐ e. Other Minority *(Specify)* _____ ☐ f. Other *(Specify)* _____

☐ g. Female ☐ h. Male ☐ i. 8(a) Certified *(Certification letter attached)* ☐ j. Service Disabled Veteran Small Business

6 Is the person identified in Number 4 above, responsible for day-to-day management and policy decision making, including but not limited to financial and management decisions?

☐ a. Yes ☐ b. No *(If "NO," provide the name and telephone number of the person who has this authority.)*

_____

7 Nature of Business *(Specify all services/products (NAIC))* _____

8 (a) Years the firm has been in business _____ (b) No. of Employees _____

9 Type of Ownership: ☐ a. Sole Ownership ☐ b. Partnership

☐ c. Other *(Explain)* _____

10 Gross receipts of the firm for the last three years:

a.1. Year Ending: _____ b.1. Gross Receipts _____

a.2. Year Ending: _____ b.2. Gross Receipts _____ a.3. Year Ending: _____ b.3. Gross Receipts _____

11 Is the firm a small business? ☐ a. Yes ☐ b. No

12 Is the firm a service disabled veteran owned small business? ☐ a. Yes ☐ b. No

13 Is the firm a socially and economically disadvantaged small business? ☐ a. Yes ☐ b. No

***I DECLARE THAT THE FOREGOING STATEMENTS CONCERNING*** _____

***ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF. I AM AWARE THAT I AM SUBJECT TO CRIMINAL PROSECUTION UNDER THE PROVISIONS OF 18 USCS 1001.***

14. a. Signature _____ b. Date: _____

c. Typed Name _____ d. Title: _____